

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A rotary hydroponic plant-growing machine comprising a cylindrical structure for holding plant-growing containers, a base for rotatably supporting said cylindrical structure, means for rotating said cylindrical structure on said base, a light inside said cylindrical structure and means for watering said plants in said containers as said cylindrical structure rotates, characterized in that said cylindrical structure comprises a circumferential surface which defines a plurality of longitudinal slots oriented generally parallel to an axis of said cylindrical structure and adapted to receive one or more of said containers.
2. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 1 wherein said cylindrical structure further comprises longitudinal channels adjacent to said longitudinal slots adapted to slidably engage an outwardly-extending flange on said container and hold said container in said slot.
3. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 2 wherein each of said slots defines at least one opening sized to allow said outwardly-extending flange to be inserted into and removed from sliding engagement with said longitudinal channels.
4. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 2 wherein said longitudinal channels are formed by a pair of L-shaped brackets attached to an outer wall of said cylindrical structure on either side of said slots.
5. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 2 wherein said longitudinal channels are formed by a pair of L-shaped brackets attached to an inner wall of said cylindrical structure on either side of said slots.
6. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 2 wherein said longitudinal channels are formed in edges of said circumferential surface.

7. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 2 in combination with one or more of said containers.
8. (Original) A rotary hydroponic plant-growing machine according to claim 1 wherein edges of said circumferential surface adjacent to said longitudinal slot are adapted to slidably engage between a pair of outwardly-extending flanges on said container and hold said container in said slot.
9. (Currently Amended) A rotary hydroponic plant-growing machine according to claim 8 wherein each of said slots defines at least one opening sized to allow said edges outwardly-extending flanges to be inserted into and removed from sliding engagement with said outwardly-extending flanges edges of said circumferential surface.
10. (Original) A rotary hydroponic plant-growing machine according to claim 8 in combination with one or more of said containers.
11. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 1 wherein said cylindrical structure further comprises longitudinal channels adjacent to said longitudinal slots adapted to slidably engage a pair of outwardly-extending tabs on each of two opposite sides of said container and hold said container in said slot.
12. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 11 wherein each of said slots defines at least one opening sized to allow said outwardly-extending tabs to be inserted into and removed from sliding engagement with said longitudinal channels.
13. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 11 in combination with one or more of said containers.
14. (Withdrawn) A rotary hydroponic plant-growing machine comprising a cylindrical structure for holding plant-growing containers, a base for rotatably supporting said cylindrical structure, means for rotating said cylindrical structure on said base, a light inside said cylindrical structure and means for watering said plants in said containers as said cylindrical structure rotates, characterized in that said cylindrical structure comprises an end member at each longitudinal end thereof and a plurality of pairs of C-shaped channels extending between said end members, each said pair of C-shaped

channels being configured to slidingly engage an outwardly-extending flange on said containers and hold said containers therebetween.

15. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 14 wherein each of said pairs of C-shaped channels defines at least one opening sized to allow said outwardly-extending flange to be inserted into and removed from sliding engagement with said pair of C-shaped channels.
16. (Withdrawn) A rotary hydroponic plant-growing machine according to claim 15 in combination with one or more of said containers.

Amendments to the Drawings

Figure 3 has been amended to show the base for supporting the cylindrical structure, the light inside the structure, and the means for watering, as required by the Examiner. These amendments incorporate features shown in originally filed Figures 1 and 2 into Figure 3, and do not introduce any new subject matter.